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**SYSTEM AND METHOD OF NETWORK ADDRESSING AND
TRANSLATION IN A TRANSPORTATION SYSTEM**

ABSTRACT

A method for routing an object in a transportation network is provided. The method includes obtaining at a first point a first address and a first functional property code associated with an object to be routed. The method also includes storing at a data base a second functional property code, a second address, and a third address associated with a second point. The method further includes sending the first address and the first functional property code from the first point to the data base and determining at the data base if the first address is compatible with the second address. The method additional includes determining at the data base if the first functional property code is compatible with the second functional property code if the first address is compatible with the associated second address and sending the third address to the first point if the first functional property code is compatible with the second functional property code.